T4D02 (A)
What formula is used to calculate voltage in a circuit?

**A. Voltage (E) equals current (I) multiplied by resistance (R)**
B. Voltage (E) equals current (I) divided by resistance (R)
C. Voltage (E) equals current (I) added to resistance (R)
D. Voltage (E) equals current (I) minus resistance (R)

T4D03 (B)
What formula is used to calculate resistance in a circuit?

A. Resistance (R) equals voltage (E) multiplied by current (I)
**B. Resistance (R) equals voltage (E) divided by current (I)**
C. Resistance (R) equals voltage (E) added to current (I)
D. Resistance (R) equals voltage (E) minus current (I)

T4D04 (B)
What is the resistance of a circuit when a current of 3 amperes flows through a resistor connected to 90 volts?

A. 3 ohms
**B. 30 ohms**
C. 93 ohms
D. 270 ohms

T4D05 (C)
What is the resistance in a circuit where the applied voltage is 12 volts and the current flow is 1.5 amperes?

A. 18 ohms
B. 0.125 ohms
**C. 8 ohms**
D. 13.5 ohms

T4D06 (D)
What is the current flow in a circuit with an applied voltage of 120 volts and a resistance of 80 ohms?

A. 9600 amperes
B. 200 amperes
C. 0.667 amperes
**D. 1.5 amperes**

T4D07 (A)
What is the voltage across the resistor if a current of 0.5 amperes flows through a 2 ohm resistor?

**A. 1 volt**
B. 0.25 volts
C. 2.5 volts
D. 1.5 volts